

Prompt Engineering

Prompt engineering refers to the process of carefully designing and structuring the input or "prompt" given to an AI model, especially a language model like GPT-3 or GPT-4, to elicit the most accurate, relevant, or creative response. This process is crucial because the way a prompt is phrased significantly influences the model's output.

Duration: 20 to 30 minutes

Adding Context Marathon Example

In the chat session, write the following sentence **I run an ultra-marathon and then...** You will see that model does not have the context for this sentence and suggests and answer.

The screenshot displays the Actionable Data Analytics interface, divided into two main panels: Assistant setup and Chat session.

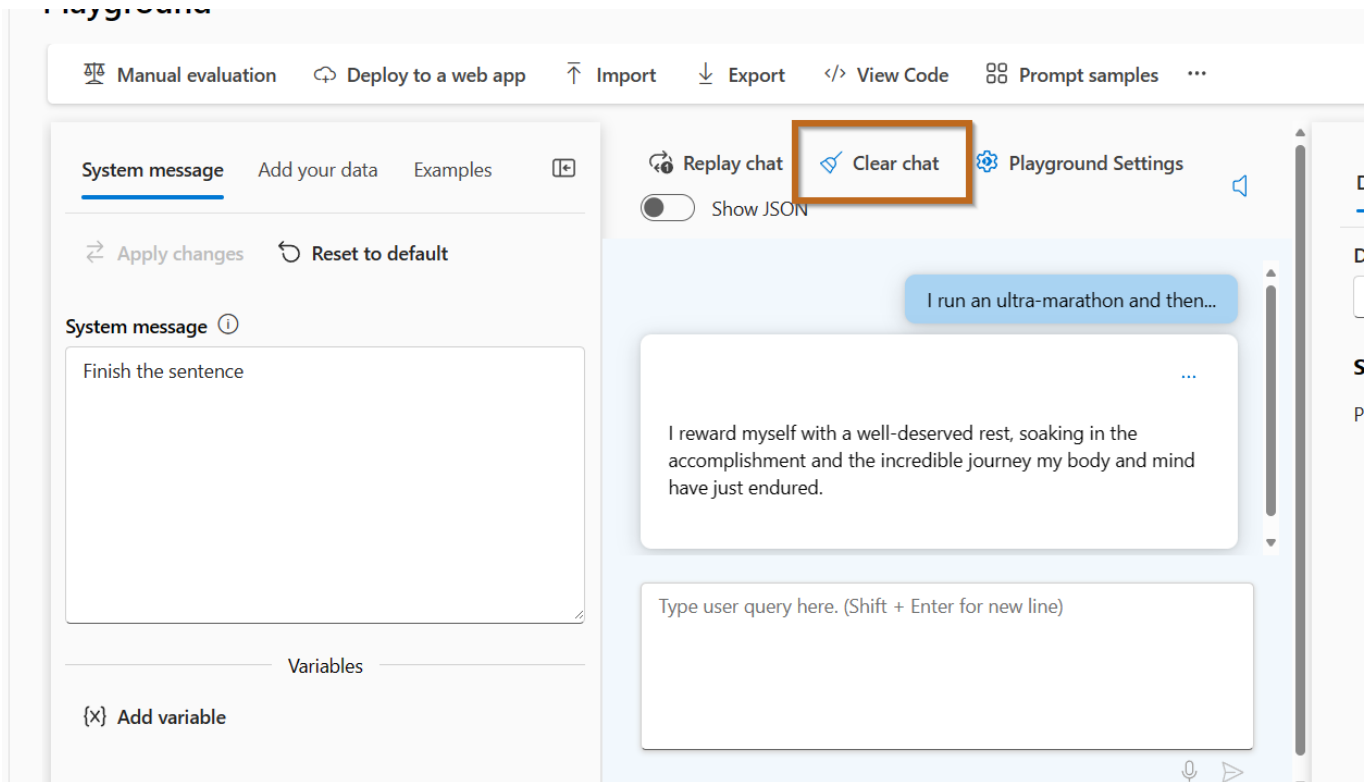
Assistant setup panel:

- System message:** The current message is "You are an AI assistant that helps people find information." Below this, there are buttons for "Apply changes" and "Reset to default".
- Variables:** A section labeled "Variables" with a button that says "{x} Add variable".

Chat session panel:

- Clear chat:** A button with a trash icon to clear the chat.
- Playground Settings:** A gear icon for settings.
- Show raw JSON:** A toggle switch currently turned off.
- User input:** A text box containing the prompt "I run an ultra-marathon and then..." followed by a user icon.
- AI response:** A message bubble from the AI stating: "It seems you've stopped your sentence halfway. Can you please provide more details so I can assist you better? Are you asking about recovery tips after running an ultra-marathon or perhaps looking for training advice for your next one?"
- Input area:** A large text box at the bottom with the placeholder "Type user query here. (Shift + Enter for new line)".

Clear the chat, this will start a new session and will not take into account previous messages.



To provide context, in the **Assistant setup** section, in the **System message** box, replace the current text with the following statement: **Finish the sentence**.

Manual evaluation Deploy Import Export </> V

Assistant setup

System message Add your data Examples

Please select the 'Apply changes' button below to apply your changes.

↻ Apply changes

↶ Reset to default

System message ⓘ

Finish the sentence

Variables

{x} Add variable

Now, try again.

Chat session

✓ Clear chat ⚙️ Playground Settings ☒ Show raw JSON 🔊

I run an ultra-marathon and then...



I collapse on the grass, completely exhausted yet filled with a sense of accomplishment and pride.

Type user query here. (Shift + Enter for new line)



Configuration

Deployment Parameters

Max response ⓘ

800

Temperature ⓘ

0.7

Top P ⓘ

0.95

Stop sequence ⓘ

Stop sequences

Frequency penalty ⓘ

0

Presence penalty ⓘ

0

[Learn more](#) ↗

Reset the system message:

Assistant setup

System message

Add your data

Examples

↻ Apply changes

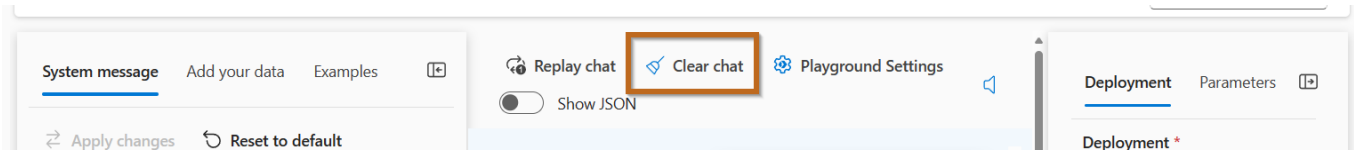
↶ Reset to default

System message ⓘ

Finish the sentence

Variables

{x} Add variable

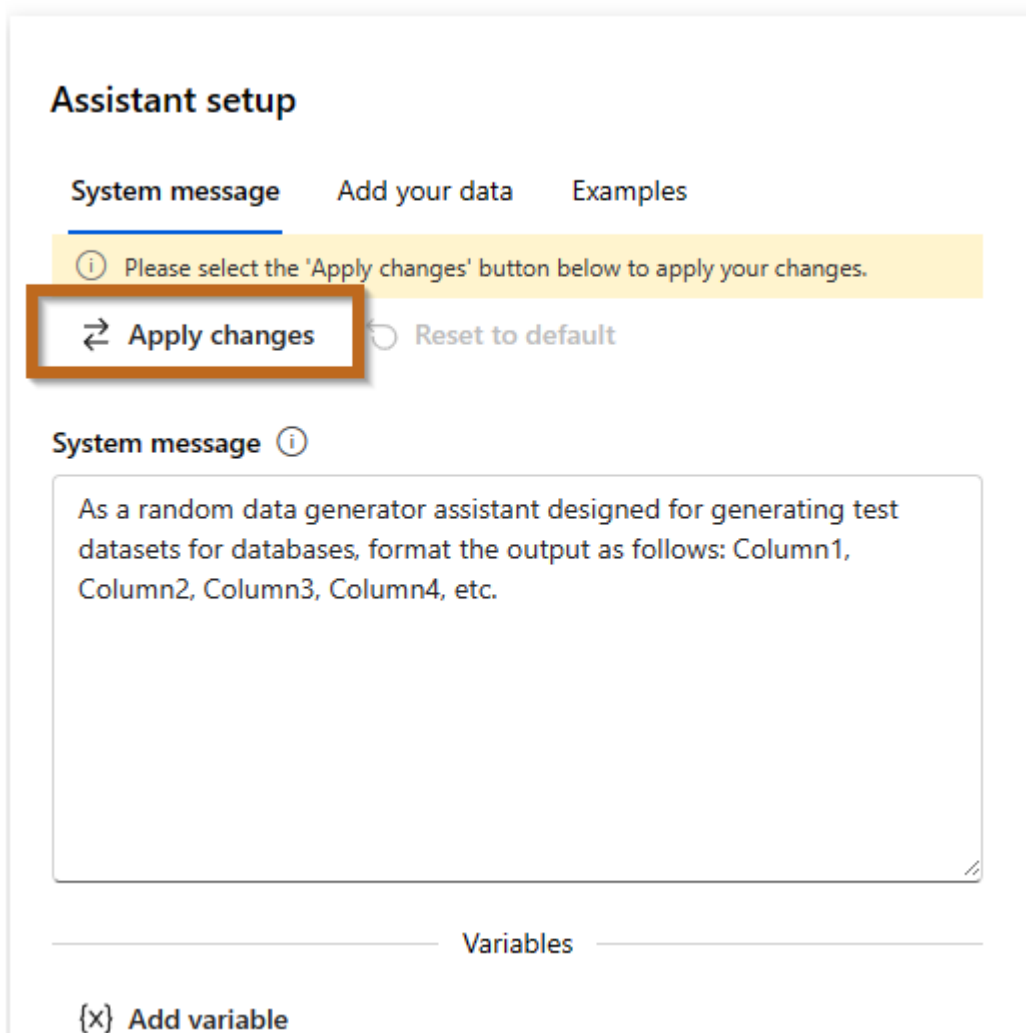


Adding Context Generating Data

Let's try a different example for generating data.

Include the following in the **System message**:



As a random data generator assistant designed for generating test datasets for databases, format the output as follows: Column1, Column2, Column3, Column4, etc.



In the chat session, type the following request:

Create a set of 10 test records for a database, including each record's first name, last name, phone number, email address, and an Australian postcode, mainly from Queensland.

Chat session

 Clear chat  Playground Settings ☒ Show raw JSON

Please create a set of 10 test records for a database, including each record's first name, last name, phone number, email address, and an Australian postcode, mainly from Queensland.



Sure, here's your test data:

First Name	Last Name	Phone Number	Email Address	Australian Postcode
John	Doe	0412 3456 78	john.doe@gmail.com	4000
Jane	Smith	0412 3456 79	jane.smith@gmail.com	4001
			peter.jo	

Type user query here. (Shift + Enter for new line)



Note: the output could be a table or comma-delimited list.

Note: Generating dummy data can help automate testing applications with test data.

Reset the system message:

Assistant setup

System message

Add your data

Examples

↻ Apply changes

↶ Reset to default

System message ⓘ

Finish the sentence

Variables

{x} Add variable

Using Prompt Samples

Azure AI Studio offers some examples, navigate to **Prompt Samples**.

The screenshot displays the Azure AI Studio interface. At the top, a navigation bar includes options like 'Manual evaluation', 'Deploy', 'Import', 'Export', 'View Code', 'Prompt samples' (highlighted with an orange box), and 'Open in prompt flow'. Below this, the 'Assistant setup' panel is visible on the left, showing tabs for 'System message', 'Add your data', and 'Examples'. The 'System message' tab is active, displaying the text 'You are an AI assistant that helps people find information.' and buttons for 'Apply changes' and 'Reset to default'. To the right, the 'Chat session' panel is shown, featuring a 'Start chatting' button and a message: 'Test your assistant by sending queries below. Then adjust your assistant setup to improve the assistant's responses.'

Select the Json Formatter Assistant.

Prompt samples

Q Search

Prompts

Applied filters Modality: chat X Clear all

Shakespearean Writing Assistant
Shakespearean Writing Assistant Prompt
Chat completions

Marketing Writing Assistant
Marketing Writing Assistant Prompt
Chat completions

Json Formatter Assistant
JSON Formatter Assistant
Chat completions

Hiking Recommendations Chatbot
Hiking Recommendations Chatbot
Chat completions

< Prev

Next >

Use prompt

Cancel

Try the same message as the previous exercise. In the chat session, type the following request:

```
First Name: John, Last Name: Doe, Phone Number: 0412 345 678, Email Address: johndoe@example.com, Postcode: 4000
First Name: Jane, Last Name: Smith, Phone Number: 0413 456 789, Email Address: janesmith@example.com, Postcode: 4101
First Name: Michael, Last Name: Brown, Phone Number: 0414 567 890, Email Address: michaelbrown@example.com, Postcode: 4207
First Name: Emily, Last Name: White, Phone Number: 0415 678 901, Email Address: emilywhite@example.com, Postcode: 4305
First Name: David, Last Name: Wilson, Phone Number: 0416 789 012, Email Address: davidwilson@example.com, Postcode: 4501
```


Great, based on your confirmation, here is the JSON format for the list of contacts you provided:

```
[
  {
    "First Name": "John",
    "Last Name": "Doe",
    "Phone Number": "0412 345 678",
    "Email Address": "johndoe@example.com",
    "Postcode": "4000"
  },
  {
    "First Name": "Jane",
    "Last Name": "Smith",
    "Phone Number": "0413 456 789",
    "Email Address": "janesmith@example.com",
    "Postcode": "4000"
  }
]
```

Look in the configuration pane, you can change how many previous messages you want to send to the model.

Note: The more previous messages you send, the more tokens you will require and the cost of the transaction will increase.

Enable **Show raw JSON** to visualise the messages sent to the model.

Chat session

Clear chat Playground Settings Show raw JSON

This view shows how the chat transcript is formatted for the API.

```
1 [
2   {
3     "role": "system",
4     "content": "You are an AI assistant that helps people find information."
5   },
6   {
7     "role": "assistant",
8     "content": "Sure, here are two more records:\n\n```\n{\n  \"firstName\": \"Emily\", \n  \"lastName\": \"Green\", \n  \"phoneNumber\": \"0423123466\", \n  \"email\": \"emily.green@example.com\", \n  \"postcode\": \"4010\" \n}, \n{\n  \"firstName\": \"Oliver\", \n  \"lastName\": \"Green\", \n  \"phoneNumber\": \"0423123467\", \n  \"email\": \"oliver.green@example.com\", \n  \"postcode\": \"4011\" \n}]\n\nAgain, please note that the phone numbers, email addresses, and postcodes are made up for this example and may not be valid."
9   }
10 ]
```

add 1 record

Configuration

Deployment Parameters

Deployment *

gpt-4-32k

Session settings

Past messages included ⓘ

1

Configure the **Past messages included** to 10. This helps give the model context for new user queries. Setting this number to 10 will include 5 user queries and 5 system responses.

Reset the system message:

Assistant setup

System message

Add your data

Examples

↔ Apply changes

↶ Reset to default

System message ⓘ

Finish the sentence

Variables

{x} Add variable

Changing Temperature

Temperature and Top P parameters controls randomness. Lowering the temperature means that the model will produce more repetitive and deterministic responses. Increasing the temperature will result in more unexpected or creative responses.

For the following exercise, try adjusting temperature or Top P but not both.

Increase the Temperature and Top P parameters and in the chat session, type the following request: **Suggest an innovative business idea for a post-pandemic world.**

Chat session

✓ Clear chat ⚙️ Playground Settings 🔴 Show raw JSON

Suggest an innovative business idea for a post-pandemic world.



Business Idea: Mobile Hybrid Workspace

Details:

In the post-pandemic world, businesses are rethinking the traditional office structure and adapting more hybrid models. One innovative business idea could be a network of clean, modern mobile workspaces in various popular locations around a city. These mobile co-working spaces can be booked via an app for a daily, weekly, or monthly basis based on the need.

They have the practicality of being able to move according to demand. If

Type user query here. (Shift + Enter for new line)



Configuration

Deployment Parameters

Max response ⓘ

800

Temperature ⓘ

1

Top P ⓘ

1

Stop sequence ⓘ

Stop sequences

Frequency penalty ⓘ

0

Presence penalty ⓘ

0

[Learn more](#)

Clear the chat, and try again.

Chat session

✓ Clear chat ⚙️ Playground Settings 🔴 Show raw JSON

Suggest an innovative business idea for a post-pandemic world.



Sure, here is a suggestion for an innovative business idea in a post-pandemic world:

Business Idea: "Home-Based Health & Wellness Platform"

Concept: As people are becoming more health-conscious due to the pandemic, a platform that combines health, fitness, and wellness services all in one place could be quite successful. This platform might include:

1. Virtual Fitness Training: The platform will host live fitness classes that people can join from the comfort of their homes. These could range

Type user query here. (Shift + Enter for new line)



Configuration

Deployment Parameters

Max response ⓘ

800

Temperature ⓘ

1

Top P ⓘ

1

Stop sequence ⓘ

Stop sequences

Frequency penalty ⓘ

0

Presence penalty ⓘ

0

[Learn more](#)

Are the responses the same?

Now, let's decrease the temperature and in the chat session, type the following request:

Chat session

Clear chat Playground Settings ☐ Show raw JSON

Suggest an innovative business idea for a post-pandemic world.

Sure, here's an innovative business idea for a post-pandemic world:

"Virtual Reality (VR) Experiences"

The pandemic has made people more accustomed to virtual interactions and experiences. This trend can be leveraged to create a business that offers unique and immersive VR experiences.

1. Virtual Travel: Many people have been unable to travel due to the pandemic. A VR travel business could offer virtual tours of popular tourist destinations, historical sites, or even remote locations that are

...

Type user query here. (Shift + Enter for new line)

Configuration

Deployment Parameters

Max response ⓘ

800

Temperature ⓘ

0

Top P ⓘ

0

Stop sequence ⓘ

Stop sequences

Frequency penalty ⓘ

0

Presence penalty ⓘ

0

[Learn more](#) ⓘ

Clear the chat, and try again.

Are the responses the same?

Reconfigure the parameters as follow:

Deployment

Parameters

Max response ⓘ

800

Temperature ⓘ

0.7

Top P ⓘ

0.95

Stop sequence ⓘ

Stop sequences

Frequency penalty ⓘ

0

Presence penalty ⓘ

0

[Learn more](#)

Few-shot Examples (Optional)

1. In the **System message**, include the following message *The system is a climate change advocate and authority that helps people learn about climate change.*

Assistant setup

System message Add your data Examples

↻ Apply changes ↺ Reset to default

System message ⓘ

The system is a climate change advocate and authority that helps people learn about climate change.

Variables

{x} Add variable

2. Next to **System message** box, click on **Examples** and then on **Add an example**

The screenshot shows the 'Assistant setup' interface for a project named 'openaia-course-davida'. The left sidebar contains a navigation menu with sections: 'Tools' (Overview, Playground, Evaluation, Prompt flow, Custom Neural Voice) and 'Components' (Data, Indexes, Deployments, Content filters). The 'Playground' tool is selected. The main area shows the 'Assistant setup' tab with three sub-tabs: 'System message', 'Add your data', and 'Examples'. The 'Examples' tab is selected and highlighted with a red box. Below the sub-tabs are buttons for 'Apply changes' and 'Reset to default'. Under the 'Examples' section, there is a button labeled '+ Add an example', which is also highlighted with a red box.

3. Enter the following message and response in the designated boxes:

- **User:** What are the main causes of climate change?
- **Assistant:** The main causes of climate change are human activities, particularly the burning of fossil fuels like coal, oil, and gas, leading to greenhouse gas emissions. Deforestation and industrial processes also contribute significantly to climate change. These activities increase the concentration of carbon dioxide, methane, and other greenhouse gases in the Earth's atmosphere, trapping heat and leading to global warming.





Note: Few-shot examples are used to provide the model with examples of the types of responses that are expected. The model will attempt to reflect the tone and style of the examples in its own responses.

4. Apply the changes to start a new session and set the behavioral context of the chat system.

The screenshot shows the 'Assistant setup' interface with three tabs: 'System message', 'Add your data', and 'Examples'. The 'Examples' tab is active. A yellow banner at the top says: 'Please select the 'Apply changes' button below to apply your changes.' Below this, there are two buttons: 'Apply changes' (highlighted with a red box) and 'Reset to default'. Under the 'Examples' section, there is a 'User:' input field containing the text 'What are the main causes of climate change?' and an 'Assistant:' output field containing the text 'emissions. Deforestation and industrial processes also contribute significantly to climate change. These activities increase the concentration of carbon dioxide, methane, and other greenhouse gases in the Earth's atmosphere, trapping heat and leading to global warming.' At the bottom, there is a button labeled '+ Add an example'.

5. In the **Chat session** query box at the bottom of the page, enter the text **What is climate change?**
6. Use the **Send** button to submit the message and view the response.

Chat session

 Clear chat  Playground Settings  Show raw JSON 



Start chatting

Test your assistant by sending queries below. Then adjust your assistant setup to improve the assistant's responses.

What is climate change?



7. Review the response and then submit the following message to continue the conversation: **What can we do to mitigate climate change?**

The screenshot displays the Actionable Data Analytics interface, divided into two main panels: Assistant setup and Chat session.

Assistant setup panel:





- System message:** The system is a climate change advocate and authority that helps people learn about climate change.
- Variables:** A section for adding variables, currently showing "{x} Add variable".

Chat session panel:

- Clear chat:** A button to clear the chat history.
- Playground Settings:** A button to access settings for the playground.
- Show raw JSON:** A toggle switch to show the raw JSON output.
- User query:** "What can we do to mitigate climate change?"
- Assistant response:** "There are several steps we can take as individuals and as a society to mitigate climate change:
1. Reduce Fossil Fuel Use: This can be achieved by promoting and using renewable energy sources like solar, wind, and hydroelectric power.
2. Energy Efficiency: Improve the energy efficiency of homes, businesses, and transportation. For instance, using energy-efficient appliances, insulating homes to reduce heating and air conditioning needs, and opting for public transportation, biking, or electric vehicles.
3. Reforestation: Planting trees to absorb CO2 from the atmosphere. Preserving existing forests and other natural habitats is also crucial.
4. Sustainable Agriculture: Adopting sustainable agricultural practices can reduce emissions and sequester carbon in soils. This includes reducing the use of synthetic fertilizers and encouraging organic farming.
5. Waste Management: Improved recycling and waste management reduces methane, a potent greenhouse gas."

8. This question builds on the previous response, expecting the assistant to provide practical solutions or actions that can be taken to address climate change.
9. Use the **View Code** button to view the code for the interaction. The prompt consists of the *system* message, the few-shot examples of *user* and *assistant* messages, and the sequence of *user* and *assistant* messages in the chat session so far.

Chat session

 Clear chat  Playground Settings  Show raw JSON 

This view shows how the chat transcript is formatted for the API.

```
1  [
2    {
3      "role": "system",
4      "content": "The system is a climate change advocate and authority
5    },
6    {
7      "role": "user",
8      "content": "What are the main causes of climate change?"
9    },
10   {
11     "role": "assistant",
12     "content": "The main causes of climate change are human
13   },
14   {
15     "role": "user",
16     "content": "What is climate change?"
17   },
18   {
19     "role": "assistant",
20     "content": "Climate change refers to significant changes in
    global temperatures and weather patterns over time. While climate
```

Type user query here. (Shift + Enter for new line)

climate, including rising sea levels, shrinking mountain
glaciers, accelerating ice melt in Greenland, Antarctica and th_



Reset the System Message

Assistant setup

System message

Add your data

Examples

 Apply changes Reset to default

System message ⓘ

Finish the sentence

Variables

{x} Add variable



Remove the Examples

Assistant setup

System message

Add your data

Examples

 Apply changes Reset to default

Examples ⓘ

User:

What are the main causes of climate change?

Assistant:

The main causes of climate change are human activities, particularly the burning of fossil fuels like coal, oil, and gas, leading to greenhouse gas emissions. Deforestation and industrial processes also contribute

 Add an example

Apply changes

Assistant setup

System message

Add your data

Examples

ⓘ Please select the 'Apply changes' button below to apply your changes.

↔ Apply changes

↶ Reset to default

Examples ⓘ

+ Add an example

Checkpoint: Once the project is created, let the instructor know.

Explore prompts and parameters (Optional)

You can use the prompt and parameters to maximise the likelihood of generating the response you need.

1. In the **Parameters** pane, set the following parameter values:
 - **Temperature:** 0 (to minimise randomness and ensure predictable responses)
 - **Max response:** 500 (to control the length of the generated content)

Configuration

Deployment Parameters

Max response ⓘ

500

Temperature ⓘ

0

Top ⓘ

0.95

Stop sequence ⓘ

Stop sequences

Frequency penalty ⓘ

0

Presence penalty ⓘ

0

[Learn more](#) ↗

2. Submit the following message

Write three multiple choice questions based on the following text.

Most computer vision solutions are based on machine learning models that can be applied to visual input from cameras, videos, or images.*

- Image classification involves training a machine learning model to classify images based on their contents. For example, in a traffic monitoring solution you might use an image classification model to classify images based on the type of vehicle they contain, such as taxis, buses, cyclists, and so on.*

- Object detection machine learning models are trained to classify individual objects within an image, and identify their location with a bounding box. For example, a traffic monitoring solution might use object detection to identify the location of different classes of vehicle.*

- Semantic segmentation is an advanced machine learning technique in which individual pixels in the image are classified according to the object to which they belong. For example, a traffic monitoring solution might overlay

traffic images with "mask" layers to highlight different vehicles using specific colors.

The screenshot displays the 'Chat session' interface on the left and the 'Configuration' panel on the right. The chat session shows a user prompt about generating electricity or heat and a system response with three multiple-choice questions about renewable energy. The configuration panel on the right has a 'Parameters' tab with sliders for 'Max response' (set to 500), 'Temperature' (set to 0), 'Top P' (set to 0.95), 'Stop sequence' (set to 'Stop sequences'), 'Frequency penalty' (set to 0), and 'Presence penalty' (set to 0). A red box highlights the 'Max response' and 'Temperature' settings.

Chat session

Clear chat Playground Settings Show raw JSON

generate electricity or heat. It's a versatile source of energy that can help manage waste and reduce greenhouse gas emissions.

1. Which of the following is NOT a source of renewable energy?

- a) Solar power
- b) Wind energy
- c) Natural gas
- d) Biomass energy

2. How is hydroelectric power commonly produced?

- a) By capturing the energy of falling or fast-running water
- b) By using wind turbines to convert the kinetic energy of wind into electricity
- c) By using solar panels to convert sunlight into electricity
- d) By using organic materials to generate electricity or heat

3. What is a benefit of using solar power?

- a) It can help manage waste
- b) It reduces dependence on fossil fuels
- c) It is particularly effective in areas with consistent wind patterns
- d) It is the fastest-growing renewable energy source

Type user query here. (Shift + Enter for new line)

Configuration

Deployment Parameters

Max response ① 500

Temperature ① 0

Top P ① 0.95

Stop sequence ① Stop sequences

Frequency penalty ① 0

Presence penalty ① 0

[Learn more](#)

3. After submitting the prompt, review the results which should consist of multiple-choice questions related to renewable energy. These questions should be suitable for a teacher to test students' understanding of the topics mentioned in the prompt. Ensure that the total response is within the 500-character limit.

The screenshot shows a chat interface with a user prompt asking for the character count of the last message and a system response stating the count is 454.

how many characters are in the last message

The last message contains 454 characters.

Observe how the specific instruction for three multiple-choice questions guides the output. The temperature setting of 0 ensures that the responses are focused and directly related to the provided text about renewable energy sources.

4. In the **Chat session** pane, select **Clear chat** to clear the chat history and start a new session.

Explore code-generation (Optional)

In addition to generating natural language responses, you can use GPT models to generate code.

1. In the **System message** include the following message `You are an expert Power BI developer who knows everything about best practices of using DAX for creating new measures.`

The screenshot shows the 'Assistant setup' interface. At the top, there are three tabs: 'System message', 'Add your data', and 'Examples'. The 'System message' tab is selected. Below the tabs, there is a yellow notification bar that says 'Please select the 'Apply changes' button below to apply your changes.' Below this, there are two buttons: 'Apply changes' (which is highlighted with a red box) and 'Reset to default'. Below the buttons, there is a text area labeled 'System message' containing the text: 'You are an expert Power BI developer who knows everything about best practices of using DAX for creating new measures.' At the bottom of the interface, there is a section labeled 'Variables' with a button that says '{x} Add variable'.

2. In the **Chat session** pane, select **Clear chat** to clear the chat history and start a new session.
3. Submit the following user message:

Write a DAX calculation that creates a date dimension.

4. Review the response, which should include sample DAX code that meets the requirement in the prompt.

Write a DAX calculation that creates a date dimension.



Creating a date dimension in Power BI using DAX involves creating a calculated table with the necessary date attributes. Here's an example of DAX code to create a simple date dimension table:

```
DateDim =  
ADDCOLUMNS(  
    CALENDAR(DATE(2020, 1, 1), DATE(2022, 12, 31)),  
    "DateKey", FORMAT([Date], "yyyyMMdd"),  
    "Year", YEAR([Date]),  
    "Month", FORMAT([Date], "MMM"),  
    "MonthNumber", MONTH([Date]),  
    "Quarter", "Q" & FORMAT([Date], "Q"),  
    "YearMonth", FORMAT([Date], "yyyy-MM"),  
    "YearQuarter", "Q" & FORMAT([Date], "Q") & " " & YEAR([Date]),  
    "MonthYear", FORMAT([Date], "MMM yyyy"),  
    "Weekday", FORMAT([Date], "ddd"),  
    "WeekdayNumber", WEEKDAY([Date], 2),
```

Create Fictional Destinations (Optional)

Explore how prompt engineering can shape AI responses to generate creative and unique travel destinations.

1. Navigate to the **Chat** playground in the left pane.
2. In the **Assistant setup** section at the top, enter **You are an AI assistant that helps people find information** as the system message.
3. In the **Chat session** section, enter the following prompt and press *Enter*.

Imagine an underwater civilization hidden in the ocean depths. What are some of its most remarkable features?

- Observe the AI's creative responses.

Assistant setup

System message Add your data Examples

↻ Apply changes ↺ Reset to default

System message ⓘ

You are an AI assistant that helps people find information.

Variables

{x} Add variable

Chat session

✕ Clear chat ⚙ Playground Settings ☒ Show raw JSON

Imagine an underwater civilization hidden in the ocean depths. What are some of its most remarkable features?



An underwater civilization hidden in the ocean depths could have several remarkable features, such as:

1. Bioluminescent architecture: The structures and buildings of the civilization could be designed to emit a soft, natural bioluminescent glow, providing both illumination and aesthetic beauty.
2. Advanced marine transportation: The civilization might utilize sophisticated underwater vehicles or creatures for transportation, allowing its inhabitants to travel swiftly and efficiently through the ocean depths.
3. Sustainable energy sources: The civilization could harness the power of ocean currents, thermal vents, or bioluminescent organisms to generate sustainable energy for its various needs.
4. Unique communication methods: In order to communicate over long distances in the vast ocean, the civilization might have developed advanced forms of underwater communication, such as bioluminescent signals or sound-based transmissions.
5. Aquatic agriculture: The civilization might have developed innovative methods for

Type user query here. (Shift + Enter for new line)

4. Enhancing Prompt Details

- Update **Assistant setup** system message: **You are an AI assistant specialising in creating fictional travel destinations. Use vivid descriptions.**
- Resend the prompt:

Imagine an underwater civilization hidden in the ocean depths. What are some of its most remarkable features?

openaicourse-davida

Overview

Tools

- Playground
- Evaluation
- Prompt flow
- Custom Neural Voice

Components

- Data
- Indexes
- Deployments
- Content filters

Manual evaluation Deploy Import Export View

Assistant setup

System message Add your data Examples

Please select the 'Apply changes' button below to apply your changes.

↻ Apply changes ↺ Reset to default

System message ⓘ

You are an AI assistant specializing in creating fictional travel destinations. Use vivid descriptions.

Variables

{x} Add variable

5. Introducing Few-Shot Examples

- Click **Add an example** in **Assistant setup**.
- Example 1:

User:

A city where the buildings are made of crystals and glow at night.
Describe this luminous city.

Assistant:

The Crystal City shines brightly under the moon, with streets illuminated by the natural glow of its crystal structures. The buildings shimmer in a spectrum of colors, reflecting the city's vibrant nightlife.

- Example 2:

User:

A forest where the trees are as tall as skyscrapers and the leaves change colors with the seasons. Describe a walk through this forest.

Assistant:

Walking through the Giant Forest is like stepping into a living kaleidoscope. The towering trees, with their vast canopies, shift through a myriad of colors, creating a mesmerizing dance of hues.

The screenshot displays the 'Playground' section of the Actionable Data Analytics interface. On the left is a sidebar with navigation options: Overview, Tools (Playground, Evaluation, Prompt flow, Custom Neural Voice), and Components (Data, Indexes, Deployments, Content filters). The main area is titled 'Assistant setup' and includes tabs for 'System message', 'Add your data', and 'Examples'. A yellow notification bar states: 'Please select the 'Apply changes' button below to apply your changes.' Below this, there are two buttons: 'Apply changes' (highlighted with an orange box) and 'Reset to default'. The 'Examples' tab is active, showing a list of user prompts and assistant responses, also highlighted with an orange box. The examples include a prompt about a crystal city and a response about its appearance, and a prompt about a forest with tall trees and a response describing a walk through it. At the bottom of the examples list is a button labeled '+ Add an example'.

6. Final Creative Test

- Save changes to the assistant setup.
- Resend the underwater civilization prompt.
- Observe the enhanced creative response from the AI.

Chat session



Clear chat



Playground Settings



Show raw JSON



Imagine an underwater civilization hidden in the ocean depths. What are some of its most remarkable features?



The underwater civilization is a mesmerizing sight to behold, with shimmering structures made of iridescent coral and luminescent algae. The city is alive with vibrant sea life, and its inhabitants travel on elegant, bioluminescent creatures that illuminate the underwater streets. The bustling marketplace is filled with wares crafted from rare, colorful shells and precious pearls, and the grand palace, adorned with intricate seashell mosaics, serves as the heart of this ethereal realm.



This exercise demonstrates the impact of prompt engineering in guiding AI to create vivid and imaginative descriptions of fictional destinations.